

SHEET 1 OF 5

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number: ARCO120001.08	Application Number: 10/722,272
Applicant	Thomas M. Baer et al.
Filing Date: November 25, 2003	Group Art Unit 2877
Mailing Date: June 18, 2004	

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
TR	5,479,252	12-26-95	Worster et al.	356	237	6-17-93
	3,680,947	8-1-72	Wanesky	350	81	4-21-70
	3,705,769	12-12-72	Johannsmeier	355	91	11-12-70
	3,848,962	11-19-74	Nelson	350	86	10-18-73
	4,210,384	7-1-80	Meyer et al.	350	19	5-17-79
	4,303,866	12-1-81	Porro et al.	250	442	5-29-80
	4,436,385	3-13-84	Fischer et al.	350	529	7-24-81
	4,508,435	4-2-85	Graham et al.	350	529	6-18-82
TR	4,509,834	4-9-85	Hodgson	350	521	3-24-82

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
TR	WO95/23960	08/09/95	PCT	G01N	1/28		
	WO91/07683	30/05/91	PCT	G02B	21/26		
	WO97/13838	17/04/97	PCT	C12M	1/26		
TR	196 03 996 A1	14/08/97	Germany	G01N	1/04		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

TR	Emmert-Buck, M. et al., "Laser Capture Microdissection", <i>Science</i> , Vol. 274, 8 Nov. 1996, pp. 998-1001.		
	Bielser, G. et al., "Cell surgery by laser micro-dissection: a preparative method", <i>Journal of Microscopy</i> , Vol. 107, Pt. 1, May 1976, pp. 19-24.		
TR	Bonner, R. et al., "Laser Capture Microdissection: Molecular Analysis of Tissue", <i>Science</i> , Vol. 278, 21 Nov. 1997, pp. 1481-1483.		
	Friend, T., "Getting up close to cancer genes", printed in <i>USA Today</i> newspaper, Science section, August 5, 1997.		
EXAMINER	TR	DATE CONSIDERED	12/23/04

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number: ARC0120001.08		Application Number: 10/722,272	
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U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
TR	4,538,885	9-3-85	Graham et al.	350	529	6-18-82
	4,552,033	11-12-85	Marshauser	74	479	4-12-84
	4,600,282	7-15-86	Yamamura et al.	353	122	11-5-84
	4,614,431	9-30-86	Komeyama	356	401	2-16-84
	4,627,009	12-2-86	Holmes et al.	364	559	5-24-83
	4,673,261	1-16-87	Hunt et al.	350	531	5-16-85
	4,702,565	10-27-87	Schilling et al.	350	531	2-26-86
	4,731,530	3-15-88	Mikan	250	229	4-21-86
	4,807,984	2-28-89	Kurimura et al.	350	529	2-12-87
	4,836,667	6-6-89	Ozeki	350	531	5-4-87
	4,824,229	4-25-89	Narita et al.	350	531	12-7-87
	4,852,985	8-1-89	Fujihara et al.	350	523	10-16-87
	4,856,873	8-15-89	Kleinberg	350	502	5-15-87
	4,871,245	10-3-89	Ishikawa et al.	350	502	10-26-87
	4,920,053	4-24-90	Inoue et al.	435	240.1	4-28-88
	4,964,708	10-23-90	Mason	350	519	7-14-89
	4,923,294	5-8-90	Courtenay	350	529	10-20-88
TR	4,992,660	2-12-91	Kobayashi	250	306	6-25-90

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
TR	5,029,791	7-9-91	Ceccon et al.	248	287	3-8-90
	5,057,689	10-15-91	Nomura et al.	250	310	9-17-90
	5,077,620	12-31-91	Mauro	359	393	6-6-90
	5,089,909	2-18-92	Kleinberg	359	363	9-27-90
	5,103,338	4-7-92	Crowley et al.	359	394	10-4-90
	5,126,877	6-30-92	Biber	359	389	9-4-91
	5,162,941	11-10-92	Favro et al.	359	386	7-23-91
	5,165,297	11-24-92	Krueger	74	479	2-15-91
	5,173,802	12-22-92	Heller	359	384	9-16-91
	5,173,803	12-22-92	Heller	359	384	9-16-91
	5,253,110	10-12-93	Ichihara et al.	359	619	11-24-92
	5,262,891	11-16-93	Nakasato	359	385	4-24-92
	5,263,384	11-23-93	Suzuki	74	479 MF	2-18-92
	5,288,996	2-22-94	Betzig et al.	250	227.26	1-6-93
	5,296,963	3-22-94	Murakami et al.	359	389	2-27-92
	5,312,393	5-17-94	Mastel	606	4	12-31-92
	5,323,009	6-21-94	Harris	250	458.1	12-2-92
TR	5,337,178	8-9-94	Kung et al.	359	393	12-23-92

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	TR	DATE CONSIDERED	12/23/04

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U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
TR	5,345,333	9-6-94	Greenberg	359	389	4-19-91
	5,357,366	10-18-94	Marchlenski	359	393	8-30-93
	5,359,417	10-25-94	Muller et al.	356	375	10-15-92
	5,367,401	11-22-94	Saulietis	359	398	11-23-90
	5,386,112	1-31-95	Dixon	250	234	12-23-92
	5,393,647	2-28-95	Neukermans et al.	430	320	7-16-93
	5,403,970	4-4-95	Aoki	84	626	11-19-90
	5,412,503	5-2-95	Nederlof	359	393	8-23-93
	5,420,716	5-30-95	Fukaya	359	368	6-29-93
	5,434,703	7-18-95	Morizumi	359	385	11-2-93
	5,450,233	9-12-95	Yamamoto et al.	359	368	4-27-93
	5,455,420	10-3-95	Ho et al.	250	306	7-12-94
	5,468,967	11-21-95	Chan et al.	250	397	8-26-94
	5,471,260	11-28-95	Luce et al.	351	205	10-28-94
	5,504,366	4-2-96	Weiss et al.	73	863	9-13-93
	5,506,725	4-9-96	Koike et al.	359	388	12-28-94
	5,510,615	4-23-96	Ho et al.	250	306	6-7-95
TR	5,517,353	5-14-96	Ikoh et al.	359	388	5-24-94

FOREIGN PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
EXAMINER	REMARKS	DATE CONSIDERED	REASON FOR ACTION
TR		12/23/04	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not

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U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
TR	5,532,873	7-2-96	Dixon	359	388	9-8-93
	5,535,052	7-9-96	Jorgens	359	388	7-14-93
	5,536,941	7-16-96	Swann	250	311	2-22-95
	5,532,476	7-2-96	Mikan	250	221	12-21-94
	5,537,863	7-23-96	Fujii et al.	73	105	7-15-94
	5,552,928	9-3-96	Furuhashi et al.	359	379	12-16-93
	5,557,456	9-17-96	Garner et al.	359	393	3-4-94
	5,558,329	9-24-96	Liu	273	148 B	3-1-95
	5,559,329	9-24-96	Joseph et al.	250	306	8-31-94
	5,587,748	12-24-96	Luce et al.	351	208	10-28-94
	5,587,833	12-24-96	Kamentsky	359	393	7-9-93
	5,598,888	2-4-97	Sullivan et al.	165	263	9-23-94
	5,602,674	2-11-97	Weissman et al.	359	393	6-16-95
	5,619,035	4-8-97	Weiss et al.	250	306	12-22-95
	5,621,207	4-15-97	O'Mara	250	221	8-29-94
	5,638,206	6-10-97	Sumiya et al.	359	368	9-29-94
	5,641,896	6-24-97	Karrai	73	105	2-27-95
TR	5,659,421	8-19-97	Rahmel et al.	359	391	7-5-95

FOREIGN PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO

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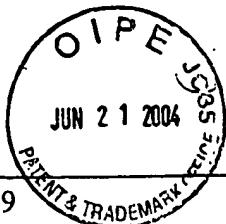
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						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Tr	Schindler, M., "Select, microdissect, and eject", <i>Nature Biotechnology</i> , Vol. 16, No. 8, August 1998, pp. 719-720.
	Schutze, K. et al., "Identification of expressed genes by laser-mediated manipulation of single cells", <i>Nature Biotechnology</i> , Vol. 16, No. 8, August 1998, pp. 737-742.
Tr	Meier-Ruge, W. et al., "The laser in the Lowry technique for microdissection of freeze-dried tissue slices", <i>Histochemical Journal</i> , Vol. 8 (1976), pp. 387-401.
	Kubo, Y. et al., "Early Detection of Knudson's Two-Hits in Preneoplastic Renal Cells of the Eker Rat Model by the Laser Microdissection Procedure", <i>Cancer Research</i> , Vol. 55, No. 5, March 1995, pp. 989-990.
Tr	Jimenez, C.R. et al., "Neuropeptide Expression and Processing as Revealed by Direct Matrix-Assisted Laser Desorption Ionization Mass Spectrometry of Single Neurons", <i>Journal of Neurochemistry</i> , Vol. 62, No. 1, January 1994, pp. 404-407.
	Schindler, M. et al., "Automated Analysis and Survival Selection of Anchorage-Dependent Cells Under Normal Growth Conditions", <i>Cytometry</i> , Vol. 6, No. 4, July 1985, pp. 368-374.
Tr	Fukui, K. et al., "Microdissection of plant chromosomes by argon-ion laser beam", <i>Theoretical and Applied Genetics</i> , Vol. 84, No. 1-2, June 1992, pp. 787-791.
Tr	Ashkin, A. et al., "Internal cell manipulation using infrared laser traps", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 86, No. 20, October 1989, pp. 7914-7918.
Tr	Veigel, C. et al., "New cell biological applications of the laser microbeam technique: the microdissection and skinning of muscle fibers and the perforation and fusion of sarcolemma vesicles", <i>European Journal of Cell Biology</i> , Vol. 63, No. 1, February 1994, pp. 140-148.
Tr	Geduspan, J. et al., "A Growth-Promoting Influence from the Mesonephros during Limb Outgrowth", <i>Developmental Biology</i> , Vol. 151, No. 1, May 1992, pp. 242-250.
EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449

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Application Number: 10/722,272

Applicant

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Group A1 Unit 2877

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U.S. PATENT DOCUMENTS

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EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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						<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

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JUN 21 2004

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U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
TR	1.	08/04/1987	4,684,781	Frish et al.			
	2.	01/22/1991	4,987,006	Williams et al.			
	3.	05/21/1991	5,017,428	Mecke et al.			
	4.	09/01/1992	5,143,552	Moriyama			
	5.	01/18/1994	5,280,384	Shibasaki			
	6.	01/03/1995	5,378,675	Takeyama et al.			
	7.	02/20/1996	5,492,861	Opower			
	8.	07/02/1996	5,532,128	Eggers et al.			
	9.	09/17/1996	5,556,790	Pettit			
	10.	11/26/1996	5,578,832	Trulson et al.			
TR	11.	05/20/1997	5,631,734	Stern et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
TR	12.	08/29/1975	CH 566 015 A5	Switzerland			Abstract
TR	13.	11/16/1995	WO 95/30919 A1	WIPO			
TR	14.	08/13/1998	WO 98/35216 A1	WIPO			

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
TR	15.	Goldstein, S.R. et al. (1998). "Thermal Modeling of Laser Capture Microdissection," <i>Applied Optics</i> 37(31):7378-7391.
TR	16.	Isenberg, G. et al. (1976). "Cell Surgery by Laser Micro-Dissection: A Preparative Method," <i>J. Microsc.</i> 107(1):19-24.
TR	17.	Kuska, B. (1996). "New Aim-and-Shoot Technique Speeds Up Cell Analysis," <i>J. Natl. Cancer Inst.</i> 88(23):1708-1709.

EXAMINER:

TR

DATE CONSIDERED: 12/23/04

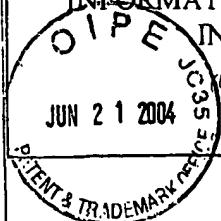
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Tr	18.	Lewis, R. (1998). "Laser Aids Alzheimer's Study," <i>Biophotonics International</i> Nov./Dec.: 2 pages total.
Tr	19.	Simone, N.L. et al. (1998). "Laser Capture Microdissection: Opening the Microscopic Frontier to Molecular Analysis," <i>Trends Genet.</i> 14(7):272-276.

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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
TR	1.	Anonymous. Printout from Ebay website providing photographs of a microscope, available at < http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1033857903 > on January 15, 2002 (5 pages total).

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TR	1.	05/07/1974	3,809,433	Mulasmajic			
	2.	06/09/1987	4,672,559	Jansson et al.			
	3.	07/26/1988	4,760,385	Jansson et al.			
	4.	05/30/1993	5,197,371	van der Heijden et al.			
	5.	05/18/1993	5,212,1993	Coad et al.			
	6.	08/10/1999	5,935,942	Zeimer			
TR	7.	11/07/2000	6,143,535	Palsson			

FOREIGN PATENT DOCUMENTS							
Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
TR	8.	10/08/1998	WO 98/44446	PCT			

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